FORM PTO-144		•		То:	U.S. D Pate	epartment of C nt and Tradem	ommerce ark Office	Atty. Dkt. No.	<u> </u>	M# 14198	7		**************************************	nt Ref.	
•								Applicant: F							86
INF	ORN	MATION DISCL BY APP	OSU	RE STA	TE	MENT		Appln. No.:			S. App	l. No. 0	8/507	332 3	<u>~</u>
i		BY APP	LICA	NI				Filing Date:		herewi			25	ミ	
Date:			Page	1 of		12]	Examiner.	Unknov	vn		Group	Art 10 f	æ 🗾	204
					U.S	. PATENT	DOC	UMENTS							
Examiner's Initials*		Document Number		Date MM/YY		(F	amily I	Name Name of Firs	t Inventor)		Clas	ss Su	bClass	Filing [(if appropr	
ar	AR	2,220,891		11/194	0			Cook et al.	_						
	BR	3,986,908		10/197	6			Gre'bert et a	l.		_ "				
	CR	4,925,600		05/199	0			Hommel et a	l.						
	DR	5,125,684		06/199	2			Cartwright							
	ER	5,516,377		05/199	6		ŀ	Highsmith et a	al.						
	FR	5,212,343		05/199	3		Е	Brupacher et	al.						
	GR	5,160,386		11/199	2			Lund et al.							
	HR	5,141,734		08/199	2			Misra							
	IR	5,104,466		04/199	2			Allard et al.							
	JR	5,100,174		03/199	2	50	6.	Jasken et al							
	KR	5,100,172		03/199	2		V	anvoohies et	al.						
	LR	5,098,597		03/199	2	•		Rothgery et a	al						
	MR	5,094,475		03/199	2			Olsson et al							
	NR	5,089,069		02/199	2	s	Ra	amaswamy e	t al.						
			FORE	GN PATI	ENT	DOCUME	ENTS					Eng	glish tract	Transla	tion
		Document	Da		C	ountry	Inv	entor Name	Class	SubC	lace	Abs	tract	Read Availa	ble
		Number	MM/\	<u>~~~ </u>		Juliu y	""	entor Name	Class	Subc)la33	Enclose	ed No	Enclose	No
	OR						<u> </u>		_					ļ	igspace
	PR						<u> </u>		_					<u> </u>	╙
	QR									L		_			╄
	RR								 						igspace
	SR						ļ		ļ					<u> </u>	igspace
	TR						ļ							<u> </u>	上
	UR													<u> </u>	丄
	VR						<u> </u>			<u> </u>				<u> </u>	丄
	WR													L	↓_
	XR						<u> </u>			<u></u>					<u> </u>
OTH	HER (Including in this o													
(V)	YR	Michael Laing, "mer- a Number 8, August 198	nd fac- [0 35, pp. 70	Co(NH3)3 (N 07-708.	O ₂) ₃]:	Do They Ex	rist?", <u>Jo</u>	umal of Chemic	al Education, \	Volume	62,				
	ZR	K. Wieghardt and H. S Synthesis, 23, 1985, p													T
		K.C. Patil, C. Nesama Perchlorate Complexe									ide and	4			
	ABR	395. Von H. Siebert, "Isome	re des T	rinitrotriamn	ninkol	balt (III)", Z. A	Annorg.	Allg. Chem. 441.	, 1978, pp. 47	-57.			1	•	
		Shidlovskii A.A.: Gorb	unov VV	/ · Shmagin	1 F	(Mosk Inst	Khim N	Mashinostr Mos	cow LISSR) '	The					-
	ACR	Shidlovskii, A.A.; Gorb combustion rates of [C (III) [13841-86-6], and I, II, III, and IV were 69 resp. The combustion IV burned significantly complexes of cobalt (II NJKAR.	o(NH ₃), [Co)3, 667, rates of more slot). Izv. V	[Co(NO ₂) _a] (O(NO ₂) _a] (O(NO ₃) (IV) 380, and 34 I, II, and III wy and evo yssh. Ucheb	(I) [15 [146: 5 cal/ increa olved on. Za	742-33-3], [0 52-46-1] wer g; and the ig ased with pre- brown furnes abed., Khim.,	co(NH ₃) ₃ e studied prition te essure a s." 87:70 Tekhno	(NO ₂)3] (II) [1360 d at 10-100 atm. imps. were 217, nd decreased in 416 Study of Co II., 20(4), 610-12	00-88-9], [Co(l The heats o 220, 230, and the order I > ombustion of N (Russian) 197	NH ₃) _e] (N f combu d 185. de II > III. Nitrito-An 77. COI	IO ₂) ₃ , istion of egree., Compo nmonia DEN:				
9	ADR/	Robert B. Hagel and L Trinitrotriamminecobalt			The/ mistry	Triamine of 0 , Volume 9,	Cobalt (II No. 6, J	I). I. Geometrica une 1970, pp. 1	l losmers of 496-1503.						
Examiner	/	EDWAR	DA.M	ILLER				Date Consid	ered:	マ.	-21	DO L			
*EXAMINÉR	: [nitial if citation con	sidered	Whether	or n	ot citation	is in c	onformance v	with MPEP	§ 609	. Drav	w line t	hrough	citation	if

						•									
ORM PTO-1	4/gi			,	To: U.S.	Department of Con	nmerce	Atty. Dkt. No.		M#			Clie	nt Ref.	
,			-		, 41	ent and Trademan	Connec			244198			. 0	3496	
	NEODE	AATION DIGGI	0011	DE 0	. T A TF	-8.45-8.45	i	Applicant:							
ı	NFOR	IATION DISCI BY APF		KE S NT	IAIL	IMENI		Appln. No.	: Con	. of U.S.	. Appl	. No. (08/507,5	52	
•		ם או	LIOA		_			Filing Date	:	herewi	th				
Date:			Page	2	of	12		Examiner:	Unkn	own		Grou	ıp Art Ur	it: 2	204
					U.\$	S. PATENT I	DOC	JMENTS							
Examine Initials	er's	Document Number			ate YYYY	. (Fai	mily N	Name Name of Fir	st Inventor)	Cla	ss S	SubClass	Filing [(if approp	
4	AR	5,074,940		12/	1991			Ochi et al	l.						
	BR	5,073,273		12/	1991			Gupta et a	al.						
	CR	5,062,367		11/	1991		[Hayashi et	al.						
	DR	5,062,365		11/	1991			Canterberr	ry						
	ER	5,060,973	:	10/	1991			Giovanett	ti					1	
	FR	5,052,817		11/	1991			Bement et	al.						
	GR	5,046,429		09/	1991			Swann et a	 al.						
	HR	5,043,030			1991			Ramaswan	ny						
	IR	5,033,390			1991			Minert et a				\dashv			
	JR	5,031,932		07/	1991		· · I	rantom et	al.						
- 1	KR	5,024,160		06/	1991		Ca	anterberry e	et al.						
	LR	5,022,674		06/	1991			rantom et							
	MR	5,019,220		05/	1991			Taylor et a	 al.						
(/ NR	5,019,192		05^S	3/1991			 Ramaswan							
			FORE	GN P	ATENT	DOCUMEN	uts:		-			Ē	nglish	Transla	ation
000000000000000000000000000000000000000	000000000000000000000000000000000000000	Document	Da								505605655565	Ā	ostract	Read Availa	ily ble
		Number	MM/Y			Country	Inve	entor Name	Class	SubC	Jass	Enclo	sed No	Enclose	No
	OR							·							
	PR														
-	QR														
	RR														
	SR			-											
	TR						_								П
	UR														
	VR	١.								1.					
	WR														
-	XR							-							
(OTHER (Including in this o	rder Au	uthor,	Title, P	eriodical Nar	ne, D	ate, Pertine	ent Pages.	etc.)			T		T
6	YR	N.G. Klyuchnikov Palladium", Russi	and F.I an Joui	l. Para	i, "Prep Inorga	paration of Sonic Chemistr	ome I y, 13	Hydrazine C (3), pp. 416	Compounds 6-418.	of					
7	l i	Muraji Shibata, M Cyanoamminecol Starting Material", 1576.	oalt (III) <u>Inorga</u>	Comp nic Ch	olexes v nemistr	with Potassiu <mark>,</mark> Volume 3,	ım Tr No. 1	icarbonatod 11, Novemb	cobaltate (II ber 1964, p) as p. 1573-					
	AAR	Gessner G. Hawl Company, 9th Ed	ey, "The ition, p.	e Con 227.	densed	Chemical D	Diction	ary", Van N	Nostrand R	einhold					

Date Considered: 3-2001 **EDWARD A. MILLER** Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. *EXAMINER:

Bailer et al., Comprehensive Inorganic Chemistry, Vol. 3, pp. 60, 61, 170, 1249, 1250, 1266-69, and 1366-67 (1973).

ABR

ACR

ADR

Examiner

FORM PTO-1449,		ii.	.	To: U.S. Pa	Department of Commerc stent and Trademark Offic	Atty. Dkt. No.	24	M# 14198			osecce propus	nt Ref. 3496	8 3 3 K 21 3 G 3
18.15	-001	AATION DICCI	OCUPE O	, TATE	, NATION		HINSHAW				_		
INI	-OKI	AATION DISCL BY APF	LUSURE S PLICANT	IAIE	VIENI	Appln. No.:				ol. No. 0	8/507	,552	
				1.		Filing Date:		herewit					
Date:			Page 3	of	12	Examiner:	Unknov	vn		Group A	Art Un	it: 2	204
				and the second second second	PATENT DOC	000000000000000000000000000000000000000							
Examiner's Initials*		Document Number		ate YYYY	(Family	Name Name of Fire	st Inventor)		Clas	s Sub(Class	Filing D)ate
0	AR	5,015,311		1991	(i diviny	Ramaswam				75	- 10	(ii oppio	
7	BR	5,015,309		1991		Wardle et a	-						
	CR	5,005,486		1991		Lenzen					_	_	
	DR	5,004,586	04/	1991		Hayashi et a	al.						
	ER	5,003,887	04/	1991	Un	terforsthuber	et al.						
	FR	4,998,751	3/	1991		Paxton et a	ıl.						
	GR	4,982,664	01/	1991		Norton				,			
	HR	4,981,534	01/	1991		Scheffe							
	IR	4,963,203	10/	1990		Halcomb et	al.						
	JR	4,959,011	09/	1990		Nilsson							
	KR	4,950,458	08/	1990		Cunninghar	n						
	LR	4,948,439	08/	1990		Poole et al							
	MR	4,931,112	06/	1990		Wardle et a	ıl.						
	NR	4,931,111	06/	1990		Poole et al							
			FOREIGN P	ATENT	DOCUMENTS					English At	nstract	Transla Read	tion
/		Document Number	Date MM/YYYY	c	ountry in	ventor Name	Class	SubC	lass -			Read Availal	,
	OR	Number	IVIIVITTT	ļ				_		Enclosed	No	Enclosed	No
	PR		<u> </u>					 			-		╁
	QR												\vdash
	RR										-		╁
	SR												\vdash
	TR								_				H
<u> </u>	UR											-	\vdash
	VR			† ·									T
	WR												T
	XR												Т
OTI	HER (I	ncluding in this o	rder Author.	Title. Pe	eriodical Name.	Date. Pertine	ent Pages, e	tc.)					T
	YR					1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
									\dashv				-
	ZR												
	AAR												
	ABR												
	ACR						<u> </u>						
	ADR												
Examiner			DA. MILLEP			Date Consid			200				
*EXAMINER	: Ir	nitial if citatiວ່າໃ⁄ຂ້ວກ ot in conformance	sidered/Whe	ther or r	not citation is in	conformance	with MPEP	§ 609.	Draw	line thr	ough	citation	if
	<u>n</u>	or in conformance	and not con	<u>siaerea.</u>	include copy of	ulis rom Wit	n next com	nunica	uon to	Applicat	<u>Π</u> τ.		

			<u> </u>	_:			γ	1	20000000	on or in the same	Accessor in	or he borress in	Testal Incomes		
FORM PTO-1449		•		То:	U.S. Department of (Patent and Trader	Commerce nark Office	Atty. Dkt. No.		5 4500,000	M#			st energy grade	nt Ref.	
•			•		_		Applicant:	LING		4198				3496	
INI	FOR	MATION DISCL	OSUR	RE STAT	EMENT		Appln. No.			of LI	S An	pl. No. 0	8/507	552	
		BY APP	LICAN	IT			Filing Date			erewi		рі. 140. О	0/00/	,552	•
Date:			Page	4 of	12	7	Examiner:		nknow			Group A	Art Ur	it 2	204
Date.			3	<u> </u>	J.S. PATENT	r DOC									
Examiner's	<u> </u>	Document		Date	J.S. FATEN	i DOC	Name			300000000000000000000000000000000000000	l	10.		Filing [)ate
Initials*		Number		MM/YYY	Υ <u>(</u> F	amily	Name of Fir		ntor)		Clas	s Sub	Class	Filing [(if appro	oriate
_ ~	AR	4,919,897		04/1990			Bender et	al.			ļ				
	BR	4,909,549		03/1990		•	Poole et a	al.						·	
	CR	4,890,860		01/1990			Schniete							ļ	
	DR	4,865,667	ē .	09/1989)	_	Zeuner et	al.				`		ļ <u>.</u>	
	ER	4,834,818		05/1989	9		Kazumi et	al.							
	FR	4,834,817		05/1989	9		Zeuner et	al.							
	GR	4,833,996		05/1989	9		Hayashi et	al.							
	HR	4,806,180		02/1989)		Goetz et a	al.							
	IR	4,798,142		01/1989)	С	anterberry e	et al.							
	JR	4,758,287		07/1988	3	4	Pietz								
	KR	H464		05/1988	3		Lee et al	,							
	LR	4,734,141		03/1988	3	(Cartwright e	t al.							
	MR	4,699,400		10/1987	7		Adams et a	al.							
(NR	4,698,107		10/1987	,		Goetz et a	al.							
			FOREIG	GN PATE	NT DOCUM	ENTS						Castish A		Transla	tion
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Document	Dat	te	Country	Inv	entor Name		lass	Sub0	lass	English A	DSUAC	Read Availa	
		Number	MM/Y	YYY	Country		CITO Harrie		1033	Gub	21033	Enclosed	No	Enclosed	No
	OR						:						—		
	PR	·				-							₩	ļ	
	QR												 	ļ	-
, é	RR					1							<u> </u>	ļ	<u> </u>
	SR												—		$oldsymbol{oldsymbol{\perp}}$
	TR					ļ							—		<u> </u>
	UR												<u> </u>		ļ
	VR					<u> </u>					ï		<u> </u>		<u> </u>
	WR					1				,			—	ļ	┡
	XR					<u> </u>							<u> </u>	<u> </u>	
OTI	HER (Including in this o	rder Au	thor, Title	Periodical N	lame, I	Date, Pertin	ent Pa	ges, et	C.)					
	YR														
	ZR												1		İ
	ZK										22-2-1		-		
	AAR														
	ABR			. •											
	ACR														
	ADR														
Examiner		EDWAF	D A. MI	LLER			Date Cons	idered:) _ 7				L	<u></u>
EXAMINER	R: , 1	nitial if citation con			or not citation	is in o				§ 609	. Drav	w line thr	ough	citation	if
	r	not in conformance	and no	t consider	red. Include c	opy of	tnis tom w	ith nex	t comr	nunica	ation to	Applica	nt.		

FORM PTO-1449,		,	O .	To: U.S	i. Department of Commerc atent and Trademark Offic	Atty. Dkt. No.	24	M# 14198			edder der Neussey	ent Ref. 3496	
•					•	Applicant: H							
IN	FORM	MATION DISCL	OSURE	STATE	MENT	Appln. No.:		t. of U.	S. Ap	pl. No.	08/507	,552	
•		BY APP	PLICANT			Filing Date:		herewit	h				
Date:			Page 5	of	12	Examiner.	Unknov	vn		Group	Art Un	it: 2	204
				U.S	S. PATENT DOO	UMENTS							
Examiner's		Document		Date		Name			Clas	s Su	bClass	Filing [Date
Initials*	- 40	Number	C	<u> </u>	(Family	Name of First	Inventor)		Oldo	5 00	001033	(if appro	oriate
T	AR	4,696,705		9/1987		Hamilton					<u> </u>		
	BR CR	4,690,063		9/1987		Granier et al.				+		-	
	DR	4,664,033		5/1987 2/1986		Burkdoll et al.				+	<u>-</u>		
	ER	4,632,714				Abegg et al.				+-			
	+ +	4,604,151		3/1986		Knowlton et al				+		-	
	FR	4,590,860		5/1986		Kromrey					-		
	GR	4,578,247		3/1986		Bolieau	······································					-	_
 -	HR	4,547,342)/1985	-	Adams et al.				+			
	IR ID	4,547,235)/1985		Schneiter et al	•			_			
	JR	4,533,416		3/1985		Poole							
	KR LR	4,484,960		/1984 /1984		Rucker							
	MR	4,424,086				Christopher				<u>_</u>		-	
	+ +	4,414,902		/1983		Strasser et al.				-		-	
<u>-9x</u>	NR	4,407,119)/1983		Biddle et al.	**************	500000000000000000000000000000000000000	20000000000	ļ		Topografia	4'
	T				DOCUMENTS		T	Τ		English .	Abstract	Transla Read Availal	tion ily
		Document Number	Date MM/YYYY	, C	ountry Inv	ventor Name	Class	SubC	lass	Endose	d No	Enclosed	
	OR									Lilaose	<u>u 140</u>	Lindosed	1,40
	PR			- 			<u> </u>	 			+	 	╁
	QR			<u> </u>			†				1	<u> </u>	\vdash
	RR			<u> </u>			1				+		╆
	SR												\vdash
·	TR												
	UR			_				-					一
	VR												T
	+ +												T
	+												\vdash
ОТ		ncluding in this o	rder Author	Title Po	eriodical Name	Date Pertinent	Pages el	c)			<u> </u>		┢
	T						ugoo,o.	· /	50000 280000				
	''												⊢
	ZR												
	AAR												
	ABR												
	ACR												
	ADR											J	
Examiner		EDWAF	BD A. MILLE			Date Conside	red: •	9/	200	> L			
	?: Ir				not citation is in o	i		\$ 609			mouah	citation	if
	YR ZR AAR ABR ACR ADR	ncluding in this o EDWAF nitial if citaີ່ນິດກໍ່ໂຮ້ດີກົ ot in conformance	RD A. MILLS	=3		Date Conside	red:	3/	Drawtion to		nrough ant.	citation	

FORM PTC	D-1449,		. 1			To: U.S.	. Department of Catent and Tradema	ommerce ark Office	Atty. Dkt. No.		24	M# 14198			of the second	nt Ref. 3496	
•					4				Applicant:	HINS	HAW						
	INF	FORIN	MATION DISC!	OSU	RE ST	TATE	MENT		Appln. No.			t. of U.	S. Ap	pl. No. 0	8/507	,552	
			BY APP	LICA	NI				Filing Date	ə :		herewi	th	` 			
Date:				Page	6	of	12		Examiner.	· L	Jnknov	vn		Group A	Art Un	it: 2	204
						U.S	. PATENT	DOC	UMENTS								
Exam			Document		Da	ate			Name			no tronoctore con-	Cla	se Sub	Class	Filing [Date
Initia	als*	4.5	Number			<u> </u>	(Fa	amily I	Name of Fi	rst Inve	entor)	_	Cia	35 300	Class	(if approp	oriate
9		AR	4,390,380			1983			Camp								
		BR	4,376,002			1983			Utracki							<u> </u>	
-+		CR	4,370,930			1983			Strasser et				-	_			
		DR	4,370,181			1983		L	undstrom e	et al.			ļ				
		ER	4,369,079			1983			Shaw				ļ				
		FR	4,339,288			982			Camp								
	\	GR	4,306,499			1981			Holmes								
	\	HR	4,298,412		11/1				Biddle et a					· ·	<u> </u>		
		IR	4,246,051		01/1				Gamer et								
	<u> </u>	JR	4,244,758		01/1				Gamer et	al.							
		KR	4,238,253		-	980			Gamer		,						
	<u> </u>	LR	4,214,438			980	·	. [Hamilton et					_			
_		MR	4,203,787	···		980	, 		Kirchoff et	al.						ļ	
		NR	4,203,786		05/1	980			Gamer					<u> </u>			
	<u>\</u>		Document	Da	ate		DOCUME		ontor Nom		·loos	Cube	Noos	English A	bstract	Transla Read Availal	tion ily ble
			Number	MM/	YYY		ountry	inv	entor Name	9 (Class	SubC	Jass	Enclosed	No	Enclosed	No
		OR															
		PR	•														上
."		QR										ļ					
		RR															
		SR	***														L
		TR										ļ			ļ		L
		UR	_														L
		VR								-							<u> </u>
		WR															$oxed{oxed}$
		XR													<u></u>		
	OTH	HER (I	ncluding in this o	rder Au	uthor, T	itle, Pe	eriodical Na	me, C	oate, Pertin	ent Pa	ges, e	tc.)					
		YR														-	Ì
		ZR									<u> </u>						╁
		ZK															▙
		AAR															
		ABR															
		ACR															
		ADR															
Examir	ner		EU	NARD	A. MII	LER			Date Cons	idered:		}_:	200	<u> </u>			
EXAM	INER:	In	nitial if citation:con				ot citation i	s in o	onformance	e with N	MPEP				ough	citation	if
		ne	ot in conformance	and no	ot cons	<u>ıdered.</u>	Include co	py of	this form w	ith nex	t comr	nunica	tion to	Applica	<u>nt. </u>		

FORM PTO-1449.				To: U.	S. Department of Comme Patent and Trademark Of	arce Athy		N#		Clie	nt Ref.	
				'	Patent and Trademark Of	Atty. Dkt. No.	24	14198		08	3496	1000000000
						Applicant: H	INSHAW		· · · · · · · · · · · · · · · · · · ·			
INF	ORM	ATION DISCL BY APF		E STATE	EMENT	Appln. No.:	Con	t. of U.S. A	ppl. No. 0	8/507	,552	
		DIAFF	LICAN	11		Filing Date:		herewith				
Date:			Page	7 of	12	Examiner.	Unknov	vn	Group A	∖rt Un	it: 2:	204
				U,	S. PATENT DO	CUMENTS						
Examiner's Initials*		Document Number	:	Date MM/YYYY	(Famil	Name y Name of First	Inventor)	Cla	ass Sub	Class	Filing D)ate
Car	AR	4,200,615	_	04/1980	(r carm	Hamilton et al		180	- 31 2 4		(и арріор	
	BR	4,179,327		12/1979		Seldner						
	CR	4,157,648		06/1979		Brennan et al.						
	DR	4,152,891		05/1979		Gamer	_					
	ER	4,128,996		12/1978		Gamer et al.						
	FR	4,124,515		11/1978		Gruner et al.						
	GR	4,114,591		09/1978		Nakagawa					——··	
	HR	4,062,078		12/1977		Goetz						
	IR	4,053,567		10/1997		Franz						
	JR	4,021,275		05/1977		Kishi et al.	*					
	KR	3,996,079		12/1976		Divalentin				-		
	LR	3,971,729		07/1976		Timmerman						
t	MR	3,964,255		06/1976		Catanzarite						
	NR	3,950,009		04/1976	-	Hamilton						
			FORFIC		T DOCUMENTS				<u>'</u>		Translat	ion
		Document	Date	_ I			Ī	I	English A	ostract	Translat Readi Availat	ly ole
		Number	MM/Y	Ϋ́ΥΥ C	Country I	nventor Name	Class	SubClass	Enclosed	No	Enclosed	
	OR											
	PR											
	QR					·						
	RR											
	SR											
	TR											
_	UR											
	VR											П
	WR											
	XR											
OTH	IER (In	cluding in this o	rder Aut	hor, Title, P	eriodical Name	, Date, Pertinent	Pages, e	tc.)				
	YR	-						,	1			
				<u> </u>						\vdash		
	ZR									\sqcup		
	AAR											
	ABR					_						
	ACR					_						
	ADR								J			
xaminer		EDWARD A.				Date Conside	red:	3-200				_
EXAMINER:	Init	ial-if citatiอก/com t in conformance	siderèd,	whether or	not citation is in	conformance w	ith MPEP	§ 609. Dra	w line thr	ough	citation i	f
	no	in conformance	and not	considered	 Include copy (or this form with	next comr	nunication t	o Applica	nt.		

FORM PTO-1449			•		To: U.S. Par	Department of Co tent and Tradema	_		<u> </u>	м# 44198				nt Ref. 3496	
	-00	MATION DIOC		, - ot		,	<u></u>		HINSHAW						
INI	-ORI	MATION DISCI BY APF	LOSUR PLICAN	RE ST	ATE	MENT		Appln. No.		nt. of U.S		. No. 08	3/507	,552	
		2171					-	iling Date		herewith					
Date:			Page	8	of	12	E	xaminer:	Unkno	wn	C	Group A	rt Un	it: 2	204
					U.S.	PATENT	DOCU	MENTS							
Examiner's Initials*		Document Number		Dat MM/Y		/Fa	mily N	Name	rst Inventor)		Class	SubC	Class	Filing [Date
II	AR	3,947,300		03/19		ग्राय	-	assauer e						(ii appio	mate
-4	BR	3,936,330		02/19				gazarian				+			
	CR	3,934,984		01/19				Marlow et				†			
	DR	3,933,543		01/19				Madden				+			
	ER	3,931,040		01/19	 i			Breazeal	<u> </u>						
	FR	3,912,562		10/19				Gamer				1			
	GR	3,912,561		10/19				Doin et a	· · · · · · · · · · · · · · · · · · ·			+			
	HR	3,912,458		10/19				ukuma et	· · · · · · · · · · · · · · · · · · ·			+			
	IR	3,910,805		10/19		• •		Catanzarit				+	<u> </u>		
	JR	3,902,934		09/19				immerma		+		+			-
	KR	3,901,747		08/19				Gamer				+			
	LR	3,897,235	`	07/19			H	amilton et	al			- 			
	MR	3,895,098	-	07/19	+		* 14	Pietz	ui.			-	,		
	NR	3,883,373		05/19	_			Sidebottor	m			 			
	<u> </u>	0,000,010			an in a site for a	DOCUME		<u> Jiaoboltoi</u>	<u>''</u>	L				Transla	tion
	Γ	Document	Dat							Ī	- 1	nglish Ab	stract	Read Availa	ily ble
		Number	ММД	Ϋ́ΥΥ	Co	ountry	Inve	ntor Name	Class	SubCl	ass E	Enclosed	No	Enclosed	
	OR														
	PR														1
٨	QR														T
	RR														П
	SR									Ì					
	TR														
	UR														
	VR													:	
	WR														
	XR														
ОТІ	HER (Including in this o	rder Aut	thor, Ti	tle, Pe	riodical Na	me, Da	ite, Pertin	ent Pages, e	tc.)				-	
	YR														
	ZR										-				
-1000	AAR			•						· · · · · · · · · · · · · · · · · · ·					
	ABR										+				\vdash
	ACR												·		
	ADR								= = -		-10				
	ADIN	<u> </u>													
Examiner			ARD A.					ate Consi		7-250	<u>. </u>				
*EXAMINER	: II	nitial if citatiອີກີ-ເຂົ້ອກ ot in conformance	sidered; and not	wnetne Lonsid	er or n dered.	ot citation is Include cop	s in coi py of th	ntormance is form wi	e with MPEP ith next com	y 609. municati	on to /	une thro	ough nt.	citation	if .

FORM PTO-1449,		•	•	To: U	S. Department of Commer Patent and Trademark Offi	Atty. Dkt. No.	24	M# 14198			000000000000000000000000000000000000000	nt Ref. 3496	
•						Applicant:	HINSHAW		,				
INF	ORN	IATION DISCL BY APF	OSUF	RE STATE	EMENT	Appln. No.	Con	t. of U.	S. App	ol. No. 08	3/507	,552	
•		BY APP	LICAN	41		Filing Date	: 1	herewit	h				
Date:			Page	9 of	12	Examiner:	Unknov	vn		Group A	rt Un	it: 2	204
				U	S. PATENT DO	CUMENTS							
Examiner's	394 243 34 34	Document		Date		Name	0.000000000000000000000000000000000000	<u> </u>	Clas	s Sub(locc	Filing [Date
Initials*		Number		MM/YYYY	(Family	Name of Fir			Clas	S Sub	<i>,</i> 1055	(if appro	priate)
4	AR	5,880,595		04/1975		Timmerma							
	BR	3,880,447		04/1975		Thom et a	l.						
	CR	3,868,124		02/1975		Johnson							
	DR	3,862,866		01/1975	-	Timmerman e	et al.						
	ER	3,837,942		09/1974		Cantazarit	e						
	FR	3,833,432		09/1974		Moy et al.	•						
	GR	3,833,029		09/1974		Munn							
	HR	3,827,715		08/1974		Lynch		·					
	IR	3,814,694		06/1974		Klager							
	JR	3,810,655		05/1974		Pracher							
	KR	3,806,461		04/1974	ŀ	lendrickson e	et al.						
	LR	3,791,302		02/1974		McLeod							
	MR	3,787,074		01/1974		Lewis et a	l.						
()	NR	3,785,149		01/1974		Timmerma	n		-				
			FOREIC	GN PATEN	T DOCUMENTS)				E 1" - 1 - A1-		Transla Read Availa	ation
		Document	Dat MM/Y	te ,	Country In	ventor Name	Class	SubC	lace	English Ab	stract	Availa	ble
		Number	MM/Y	YYY	Journay III		Olass	Oubc	1433	Enclosed	No	Endosed	l No
	OR												↓
	PR												┷
	QR					_						<u></u>	╄
	RR												┷
	SR												_
	TR												$oxed{igspace}$
	UR												⊥_
	VR									··· · · · · · · · · · · · · · · · · ·			
	WR											:	丄
	XR												
OTI-	IER (Ir	ncluding in this o	rder Auf	thor, Title, F	Periodical Name,	Date, Pertine	ent Pages, el	tc.)					
	YR												
	ZR												_
									-				
	AAR			<u> </u>									4
	ABR	• • • • • • • • • • • • • • • • • • • •											
	ACR				•								<u>L</u>
	ADR												
Examiner		FEMARE	A PAIR E	FR		Date Consi		> _ 2	වන				
EXAMINER:	ln	itial if citation con ot in conformance	idered:	whether or	not citation is in	conformance	with MPEP	§ 609.	Drav	line thro	ough	citation	if
	nc	un contormance	and not	ı considere	a. inciuae copy o	i unis torm wi	ın next comr	nunical	uon to	Applicar	1 [.		

ORM PTO-1449		1,	•	To: U.S. I Pat	Department of Comment and Trademark C	erce Atty. Dkt. No.	24	M# 14198			encon but .	nt Ref. 3496	<u> </u>
•							HINSHAW			٠			
II.	IFORM	ATION DISCL	OSUR	E STATEM	MENT	Appln. No.:		t. of U.S	S. App	. No. 08	3/507	552	
•		BY APP	LICAN	Т		Filing Date:		herewith					-
Date:			Page -	10 of [12	Examiner:	Unknov	wn	7	Group A	ırt Un	it: 2	204
4 1 kernedes 2.005/0	KQ::xxx			118	PATENT DO	OCUMENTS			<u> </u>				
Examiner's	s T	Document		Date		Name			<u> </u>	Τ		Filing C)ate
Initials*		Number		MM/YYYY	(Fam	ly Name of Fire	st Inventor)		Class	Sub0	Jass	Filing D	oriate
9	AR	3,779,823		12/1973			•						_
	BR.	3,773,947		11/1973			•						
	CR	3,773,352		11/1973	,								
	DR	3,773,351		11/1973							****		
	ER	3,755,182		08/1973						<u>.</u>			
	FR	3,741,585		06/1973									
	GR	3,723,205		03/1973		·							
	HR	3,711,115		01/1973									
	IR	3,664,898		05/1972									
	JR	3,674,059		07/1972			•						
	KR	3,447,955		11/1969								-	
	LR	3,450,414		06/1969									
	MR	3,405,068		10/1968									
5/	NR	3,122,462		02/1964								-	
			FOREIG	N PATENT	DOCUMENT	S	5.0			Ab		Transla	tion
		Document Number	Date MM/YY		ountry	Inventor Name	Class	SubCl	ass L	English Ab		Readi Availat	
	OR	·	1411411 1	-						Endosed	No	Endosed	No
	PR							 				_	╁
	QR					<u>-</u> .			+		\vdash		╁
	RR							 	- +	,	ļ		╁
	SR		·								├		╁
	TR				-	·		-					╁
-	UR	•		<u> </u>		· · · · · ·		 	-		\vdash		╁
	+				·	•			-	<u> </u>	\vdash		⊢
	VR WR										H		┼
	XR							-			\vdash		╁
	and the boundary of the								×9888800				
U		icluding in this o i	rder Auth	nor, litte, Pe	nodical Name	e, Date, Pertine	nt Pages, e	tc.)					
	YR	i.	,		•						·		
	ZR			•				•					Г
25-31	AAR	-									Fi		
	ABR												
	ACR								十				
	ADR											1	
xaminer		EDWARE				Date Consid	tered:	7/1	_				

*EXAMINER:

FORM PTO-1449,	PTO-1449,					Department of Catent and Traden	Commerce Park Office	Atty. Dkt. No.		M#			<u> Markeda</u>	nt Ref.	
•								DIK. 110.	HINSHAV	244198	 · · · · · · · · · · · · · · · · · · 	I	0	3496	
INF	ORI	MATION DISCI	OSUI	2F S	ΓΔΤΕΙ	MENT		Applicant. Appln. No.			C 4=	-I N- 0	0/507	550	
,		MATION DISCL BY APF	LICA	NT				Filing Date		herewi		pl. No. 0	0/50/	,552	
Data:			Page	11	of	12	1	Examiner:	Unkno		U I	Group A	\rt I In	it· 2	204
Date:	67 800/809/8		raye	11					OHNIK	JVVII		Group A	at On	IL. Z	204
					2 00 00 00 00	. PATENT	DOC	AND DECEMBER OF STREET			<u> </u>	<u> </u>		Ι	
Examiner's Initials*		Document Number		MM/	ate YYYY	(F:	amily l	Name Name of Fir	st Inventor)	,	Clas	s Sub	Class	Filing [(if appro)ate priate
60	AR	3,066,130			1962			nivadinovich					*,		
7	BR	3,010,815		11/	1961			Pierce et a	al.						
	CR	2,981,616		04/	1961			Boyer					•		
	DR	2,483,803		10/	1949		[Bridgman et	al.				-		
	ER	1,399,954		12/	1921			Fulton	· · · · · · · · · · · · · · · · · · ·				-		
	FR	147,871		02/	1874			Shaw						· · · · · ·	
	GR	5,266,132		11/	1993			Danen et a	al.			<u> </u>			
	HR	4,336,085		06/	1982			Walker et a	 al.						
	IR	4,185,008		01/	1980			Caspari et	al.						
	JR	3,977,981		08/	1976			Dunlop et a				1			
	KR	3,673,015		06/	1972			Sollott et a							
	LR	3,463,684			1969			Dehn							
	MR	5,536,339		07/1	1996			Verneker							
3/	NR	5,542,704	-		1996			Hamilton et	al.						
			FORFI	GN P	ATENT	DOCUME								Transla	tion
		Document	Da								500000000000000	English A	ostract	Read Availa	ily ble
		Number	MM/Y	Ϋ́ΥΥ	C	ountry	Inv	entor Name	Class	Sub0	Class	Enclosed	No	Enclosed	No
	OR														П
	PR														П
	QR														
	RR				·										
	SR									′					
	TR														
	UR														
	VR														
	WR						•								
	XR														
OTH	IER (I	ncluding in this o	rder Au	ithor, 7	litle, Pe	eriodical Na	ame, [Date, Pertine	ent Pages,	etc.)					
	YR														
	70										-				├─
	ZR														┖
	AAR														
	ABR														
	ACR								-						
ř i	ADR		-												
<u> </u>	<u>i</u>	שואנוענט						Date Consi	dered:	7 .					<u> </u>
EXAMINER:		nitial if citation con			ner or r	not citation				28 600	<u>ලර (</u> Drav	v line thr	ough	citation	if
	<u>'n</u>	nitial if citation con ot in conformance	and no	t cons	idered.	Include of	ppy of	this form wi	th next con	nmunica	tion to	Applica	nt.		; 1

FORM PTO	-1449		,		, 1	ro: U.S. D Pate	Department of Co ent and Tradema	mmerce rk Office	Atty. Dkt. No.	2	M# 44198			A 100 - A 100 - A 100 - A	nt Ref. 3496	900 os
					-1		•		Applicant:	HINSHAW						
	INF	DRM/	ATION DISCL BY APF		RE S	TATE	MENT		Appln. No.	: Cor	t. of U.	S. Appl	. No. 0	8/507	552	
•			DI APP	LICA	IN I				Filing Date):	herewit	th				
Date:				Page	12	of	12		Examiner:	Unknov	∕vn	C	Froup A	\rt Un	it: 2	204
		30.000				U.S	. PATENT	DOC	UMENTS							1000
Examir Initial	ner's s*		Document Number		Da MM/\	ate YYYY	(Fa	amily I	Name Name of Fir	st Inventor)		Class	Sub	Class	Filing [(if approp	
4		AR	5,472,535		12/1	995		Ν	lendenhall e	et al.						
		BR	5,514,230		05/1	996			Khandhad	ia						
		CR	5,608,183	,	03/1	997			Barnes et	al.						
		DR	5,592,812		01/1	997		•	Hinshaw et	al.						
	<u> </u>	ER														
		FR		,												
		GR ·														
		HR														
		IR				_								_		
		JR														
		KR														
		LR												•		
		MR												-		
		NR				_						-				
				FORE	GN PA	TENT	DOCUME	NTS					Engli	sh	Transla Read Availa	ily
			Document Number	Da MM/Y		c	ountry	Inv	entor Name	Class	SubC	Class	nclosed		Availa Enclose	
		OR								_ ·						
		PR	·					,								
		QR									<u> </u>					
		RR					•	•								
		SR							<u> </u>		<u> </u>					
		TR	-										·	\sqcup	<u>.</u>	<u> </u>
		UR				· .					ļ					
		VR									ļ	·				上
		WR									ļ	_			<u>.</u>	L
		XR									<u> </u>			<u> </u>		<u> </u>
	ОТН	ER (In	cluding in this o	rder Au	uthor, T	itle, Pe	eriodical Na	me, C	oate, Pertin	ent Pages, e	tc.)					}
		YR								•						
	0	ZR														
	1	AR	0													
	1	ABR								_						
	1	CR													•	
	1	DR						·								
Examine	er		EDWAF	RD A M	111155			. [Date Cons	idered:)-0	٠ هـ هـ		<u> </u>	**	
EXAMI		Init					not citation				\$ 609	Draw	line thr	ough .	citation	if
		no	ial if citātiດີກ່\ວໍດີຄົ t in conformance	and no	ot cons	idered.	Include co	by of	this form w	ith next com	munica	tion to	Applica	nt.	_,	••